PTO/SB/21 (09-04 Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. **Application Number** 10/601,044 Filing Date June 20, 2003 First Named Inventor Allen, Rex H. Art Unit 2878 **Examiner Name** Rosenberger, Frederick F.

## TRANSMITTAL **FORM** (to be used for all correspondence after initial filing) Attorney Docket Number BOEI-1-1075 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC X Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Amendment/Reply Petition (Appeal Notice, Brief, Reply Brief) Petition to Convert to a Provisional Application After Final Proprietary Information Power of Attorney, Revocation Affidavits/declaration(s) Change of Correspondence Address Status Letter Other Enclosure(s) (please Identify Extension of Time Request **Terminal Disclaimer** below): Check No. 5 70 for \$180; Request for Refund Express Abandonment Request Return Receipt Postcard; CD, Number of CD(s) Information Disclosure Statement Cited Non-Patent References (3) Supplemental Landscape Table on CD Certified Copy of Priority Remarks Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Black Lowe & Graham RLLC Signature Printed name Mark S. Beaufait Date Reg. No. December 29, 2005 48,529 CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature Wendy Saxby Date Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

Date December 29, 2005

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Effective on 12/08/2004. Complete if Known Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). 10/601,044 **Application Number** FEE TRANSMITTA Filing Date June 20, 2003 For FY 2005 First Named Inventor Allen, Rex H. **Examiner Name** Rosenberger, Frederick F. Applicant claims small entity status. See 37 CFR 1.27 Art Unit 2878 TOTAL AMOUNT OF PAYMENT 180.00 Attorney Docket No. **BOEI-1-1075** METHOD OF PAYMENT (check all that apply) Check Credit Card None Other (please identify): X Deposit Account Deposit Account Number: 501050 Black Lowe & Graham, PLLC Deposit Account Name: For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee Charge any additional fee(s) or underpayments of fee(s) Credit any overpayments under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. **FEE CALCULATION** 1. BASIC FILING, SEARCH, AND EXAMINATION FEES **FILING FEES** SEARCH FEES **EXAMINATION FEES Small Entity** Small Entity Small Entity Application Type Fee (\$) Fee (\$) Fees Paid (\$) Fee (\$) Fee (\$) Fee (\$) Fee (\$) Utility 300 150 500 200 250 100 Design 200 100 100 130 50 65 Plant 200 100 300 160 150 80 Reissue 300 150 500 250 600 300 Provisional 200 100 0 0 0 2. EXCESS CLAIM FEES **Small Entity** Fee (\$) **Fee Description** Fee (\$) Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent 50 25 Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100 Multiple dependent claims 180 **Total Claims Extra Claims** Fee Paid (\$) Multiple Dependent Claims Fee (\$) Fee (\$) Fee Paid (\$) HP = highest number of total claims paid for, if greater than 20 Indep. Claims **Extra Claims** Fee (\$) Fee Paid (\$) HP = highest number of independent claims paid for, if greater than 3 3. APPLICATION SIZE FEE If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). **Total Sheets** Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$) (round up to a whole number) x 4. OTHER FEE(S) Fees Paid (\$) Non-English Specification, \$130 fee (no small entity discount) Supplemental Information Disclosure Statement Fee \$180.00 SUBMITTED BY Registration No. Telephone 206.381.3300 Signature 48.529

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mark S. Beaufait

Name (Print/Type)

(Attorney/Agent)



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Allen et al.

Attorney Docket No.:

BOEI-1-1075

Serial No.:

10/601,044

Group Art Unit:

2878

Filing Date:

June 20, 2003

Examiner:

Rosenberger, F.

Title:

METHOD OF MEASURING COATING USING TWO-WAVELENGTH

INFRARED REFLECTANCE

## SUPPLMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information related to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. § 1.56(b).

Since this Supplemental Information Disclosure Statement is being filed after three months of the filing date of the above-identified application, or after the mailing date of a first Office Action on the merits of the above-identified application, a check in the amount of \$180 is enclosed.

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Respectfully submitted,

BLACK LOWE & GRAHAMPLLC

Mark S. Beaufait Registration No. 48,529

Direct Dial: 206.381.3300

PTO/SB/08A (10-01)
Approved for use through 10/31/2002, OMB 0651-0031

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Complete if Known Substitute for form 1449A/PTO 10/601,044 **Application Number** INFORMATION DISCLOSURE June 20, 2003 Filing Date STATEMENT BY APPLICANT **First Named Inventor** Allen, Rex H Art Unit 2878 (use as many sheets as necessary) Rosenberger, Frederick F. **Examiner Name** Attomey Docket Number Sheet of BOEI-1-1075

			U.S. PATE	NT DOCUMENTS	`
Examiner Initials*	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 3,733,485	05-15-1973	Gaynor et al.	
		us- 4,800,279	01-24-1989	Hieftje et al.	
	a.unnune	us- 5,289,266	02-22-1994	Shih et al.	
	ļ	us- 5,483,338	01-09-1996	Wachter et al.	
		US- 5,573,952	11-12-1996	Moessner	
		us- 6,675,029	01-06-2004	Monfre et al.	
		US- 6,697,654	02-24-2004	Lorenz et al.	
		US- 6,734,962	05-11-2004	Treado et al.	
		us- 6,794,651	09-21-2004	Shelley et al.	
		US- 6,853,926	02-08-2005	Alfano et al.	
		US- 6,895,360	05-17-2005	Liu et al.	
		us- 6,919,957	07-19-2005	Nikoonahad et al.	
	-	US- 6,671,047	12-30-2003	Opsal et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te
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Examiner	Date		
Signature	Considered		

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

of

Complete if Known 10/601,044 **Application Number** June 20, 2003 Allen, Rex H. Filing Date First Named Inventor 2878 Group Art Unit Rosenberger, Frederick F. **Examiner Name** Attorney Docket Number BOEI-1-1075

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the					
Examiner Initials*	Cite No. <sup>1</sup>	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue  number(s) publisher, city and/or country where published.	Т		
		Drukker, et al., "Mechanical and Chemical Consequences of through thickness thermal gradients in polyimide matrix composite materials", Elsevier, Composites Part A: applied science and manufacturing, www.elsevier.com/locate/composites, pp. 125-133, 2003.			
•		Mehrkam, et al., "Detection of Composite Heat Damage By Drift Spectroscopy", 38th International SAMPE Symposium, XP009046905, pp. 217-223, 1993.			
		Powell, et al., "Nondestructive Inspection of Heat Damage to Graphite-Epoxy Laminates Using Diffuse Reflectance Fourier Transform Infrared Spectroscopy (DRIFTS), 29th International SAMPE Technical Conference, XP009046906, pp. 766-775, 1997.			
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Examiner	Date	
Signature	Considered	_

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<sup>1</sup> Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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